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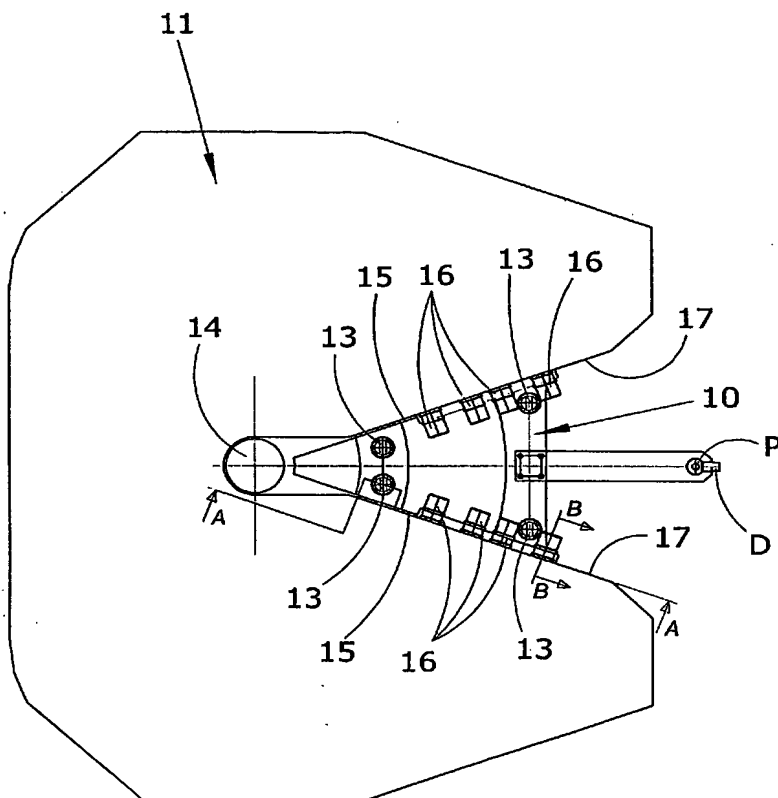
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(54) Title: MAGNETIC WEDGE DEVICE APPLIED TO THE FIFTH WHEEL OF TRAILER OR SEMITRAILER VEHICLES



(57) Abstract: A magnetic wedge device for application on the fifth wheel of the tractor of articulated vehicles, by means of incorporated permanent magnets, to provide the angular position of the fifth wheel respect to the axis of a semitrailer to one or more functional systems dependent on this angular position and in particular to the piloting of semitrailer axle steering systems, consists of a wedge-shaped body (10) with a flat upper surface (12) equipped with permanent magnets (13) that maintain the body in contact with the flat surface of the semitrailer, close to the coupling pin (14) of the fifth wheel (11), and two flat side surfaces (15) equipped with permanent magnets (16) that maintain the body in contact with the two inner surfaces (17) of the "V" shaped opening in the fifth wheel in a fully wedged condition. The device presents a reference or coupling point (P) on which the end of a mechanical, hydraulic, pneumatic or electronic device (D) is applied, providing mechanical, hydraulic, pneumatic or electronic piloting corresponding to the position of the coupling point P on the wedge which is in turn proportional to the angular position of the fifth wheel with respect to the axis of the semitrailer. Figure 1



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